IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

» ABS

Help FAQ Terms IEEE Peer Review Quick Links

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced
- CrossRef

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

Print Format

Search Results [PDF FULL-TEXT 184 KB] NEXT DOWNLOAD CITATION

Request Permissions RIGHTSLINK

Reciprocal electroacoustic transducers based on piezopolymer films

Ganenkov, N. Zakrzhevsky, V. Kunstler, W.
St. Petersburg Electrotech. Univ., Russia;

This paper appears in: **Electrets, 1996. (ISE 9), 9th International Sympc**

Meeting Date: 09/25/1996 - 09/30/1996
Publication Date: 25-30 Sept. 1996
Location: Shanghai China
On page(s): 1073 - 1078
Reference Cited: 3
Number of Pages: xxi+1120
Inspec Accession Number: 5595689

Abstract:
The analysis of reciprocal piezopolymer **transducers** with a dome-**shaped m** was carried out with a method which is a generalization of Lerch's method for supported **membrane**. We have determined the influence of the main constri parameters on the **transducer** performance in both modes

Index Terms:
acoustoelectric **transducers** **membranes** **piezoelectric transducers** polymer films method generalization biaxially stretched PVDF **membrane** curvature radius dome-s **membrane** earphone sensitivity fundamental resonance frequency low vibration amp **membrane** tension piezopolymer films point-supported **membrane** reciprocal electrc **transducers** **transducer** performance

Documents that cite this document
There are no citing documents available in IEEE Xplore at this time.

Search Results [PDF FULL-TEXT 184 KB] NEXT DOWNLOAD CITATION

Copyright © 2004 IEEE — All rights reserved

Dialog DataStar

options logoff feedback help

databases search page

Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the t page. To view one particular document click the link above the title to display immediately.

Documents 1 to 17 of 17 from your search **"transducer$1 AND membrane AND piezoelectric AND shape$1"** in all the available information:
Number of titles selected from other pages: 0

☐ **Select All**

☐ 1 display full document

2004. (INZZ) Micro-control actions and location sensitivity of actuator patches laminated on toroidal shells.

☐ 2 display full document

2002. (INZZ) Characterisation and comparison of a cMUT versus a **piezoelectric transducer** for air applications.

☐ 3 display full document

2003. (INZZ) Universal concept for fabricating micron to millimeter sized 3-D parylene structures on rigid and flexible substrates.

☐ 4 display full document

2002. (INZZ) Micro-sensor electromechanics and distributed signal analysis of piezo (electric)-elastic spherical shells.

☐ 5 display full document

2002. (INZZ) Micro-sensing characteristics and modal voltages of linear/non-linear toroidal shells.

☐ 6 display full document

2001. (INZZ) Integrated pressure and flow sensor in silicon-based ultrasonic surgical actuator.

☐ 7 display full document

2001. (INZZ) Limitations of using **membrane** theory for modeling PVDF patches on inflatable structures.

☐ 8 display full document

2000. (INZZ) A **piezoelectric** tactile sensor with three sensing elements for robotic, endoscopic and prosthetic applications.

☐ 9 display full document

1998. (INZZ) Flexural **piezoelectric transducers** with frequency agility obtained via **membrane** loads.

☐ 10 display full document

1997. (INZZ) Combined force and position polyvinylidene fluoride (PVDF) robotic tactile sensing system.

☐ 11 display full document

1996. (INZZ) Reciprocal electroacoustic **transducers** based on piezopolymer films.

☐ 12 display full document

1995. (INZZ) A Lamb wave vibration sensor with a cellulose **membrane** diaphragm.

☐ 13 display full document

1995. (INZZ) Phase velocity measurements in bubbly liquids using a fiber optic laser interferometer.

☐ 14 display full document

1993. (INZZ) Sensor mechanics of distributed shell convolving sensors applied to flexible rings.

☐ 15 display full document

1981. (INZZ) Piezopolymer **transducers** with point-supported membranes.

☐ 16 display full document

1980. (INZZ) Sounder unit.

☐ 17 display full document

1969. (INZZ) Piezo-electric **transducer.**

Selection	Display Format	Output Format	ERA SM Electronic Redistribution & Archivin
◉ from this page ○ from all pages	◉ Full ○ Free ○ Short ○ Medium ○ Custom Help with Formats	◉ HTML ○ Tagged (for tables) ○ PDF ○ RTF	Copies you will redistribute: Employees who will access archived record (s): Help with ERA

Sort your entire search result by Publication year Ascending

Top - News & FAQS - Dialog

© **2004** Dialog